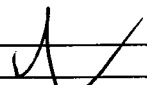
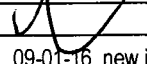


Date: Tuesday, 28/04/2009 8:14:40 AM
 User: Linda Lacelle

Process Sheet

Customer	: CU-DAR001 Dart Helicopters Services	Drawing Name	: DUAL MIRROR ASSEMBLY
Job Number	: 45432		
Estimate Number	: 13731		
P.O. Number	:	Part Number	: D407558047
This Issue	: 28/04/2009	S.O. No.	:
Prsht Rev.	: NC	Drawing Number	: DSI9436 REVA
First Issue	: 02/02/2009	Project Number	: N/A
Previous Run	:	Drawing Revision	: A
	Type : SMALL /MED FAB	Material	:
Written By	: 	Due Date	: 21/02/2009
Checked & Approved By	: 	Qty:	3
Comment	: Est Rev:A 09-01-16 new issue DD verified by:ec		

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
----------------	------------------------------	----------------------

1.0	DC	DOCUMENT CONTROL
-----	----	------------------



Comment: DOCUMENT CONTROL

Photocopy bluefile and create labels per PPP D407-558 CHG001



2.0	D2011101	6" Mirror
-----	----------	-----------



Comment: Qty.: 2.0000 Each(s)/Unit Total: 6.0000 Each(s)

Mirror 6"

Pick:

Qty Part Number	Description	Batch
2 D2011-101	Mirror Ass'y 6"	47592

FF 09-05-11

3.0	D2052	Mounting Bracket
-----	-------	------------------



Comment: Qty.: 2.0000 Each(s)/Unit Total: 6.0000 Each(s)

Bracket

batch: B39556

FF 09-05-11

4.0	D2054	Bushing
-----	-------	---------



Comment: Qty.: 2.0000 Each(s)/Unit Total: 6.0000 Each(s)

Bushing - Delrin

batch: B39433

FF 09-05-11

5.0	D2055	Clamp
-----	-------	-------



Comment: Qty.: 1.0000 Each(s)/Unit Total: 3.0000 Each(s)

Clamp

batch: B34365

FF 09-05-11

Date: Tuesday, 28/04/2009 8:14:41 AM
User: Linda Lacelle

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: DUAL MIRROR ASSEMBLY

Job Number: 45432

Part Number: D407558047

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

D2056

Bell Crank



Comment: Qty.: 1.0000 Each(s)/Unit Total : 3.0000 Each(s)

Bell Crank Assembly

batch: B39434

FF 09-05-11

(3)

7.0

AN960JD10

Washer



Comment: Qty.: 4.0000 Each(s)/Unit Total : 12.0000 Each(s)

Washer

batch: M 110985

SB 09-05-11

(3)

8.0

MS21042L3

Nut



Comment: Qty.: 2.0000 Each(s)/Unit Total : 6.0000 Each(s)

Nut

batch: M 110844

FF 09-05-11

(3)

9.0

M304TR0500W049

304 RD Tube .500 x .049W



Comment: Qty.: 2.5053 f(s)/Unit Total : 7.5159 f(s)

304 RD Tube .500 x .049W

304/316 SS Seamless Tube

batch: 110968x2 / M 111814 x 1

(2.5053) //

FF 09-05-20

(3)

10.0

SMALL FAB 1

SMALL & MEDIUM FAB RESOURCE 1



Comment: SMALL & MEDIUM FAB RESOURCE 1

1-Punch 1/2" OD x .095" Wall 304/316 SS Seamless Tube

(Ref QSI 017 4.1.1.2) as per Dwg D2066 (per D2727)

Use punch Jig DT8012

2-Slide on parts per Dwg and W/O for D2676-043

3-Punch other end to length (28.62") as per Dwg D2066

4-Bend per Dwg D2066

5-Drill 3/16" (0.188") Dia holes per Dwg D2066 using drill jig DT9034 and template DT8054

FF 09-05-12

(3)

Date: Tuesday, 28/04/2009 8:14:41 AM
User: Linda Lacelle

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: DUAL MIRROR ASSEMBLY

Job Number: 45432

Part Number: D407558047

Job Number:



Seq. #:

Machine Or Operation:

Description :

6-Polish and Deburr

7- assemble parts as per dwg D2066

FF 09-05-20 (3)
FF 09-05-12

11.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

8 09/05/20 (x3)

12.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Pick Packing Kit

13.0

D2053

Mounting Bracket



Comment: Qty.: 1.0000 Each(s)/Unit Total : 3.0000 Each(s)

Bracket

Pick: Packing Kit

Qty Part Number

Description Batch

1 D2053

Bracket

B 38531

88 09/05/21 (3)

14.0

D37781

Bracket



Comment: Qty.: 1.0000 Each(s)/Unit Total : 3.0000 Each(s)

Bracket

batch:

411958 x1 B45576 x2

88 09/05/21 (x3)

15.0

D2067

Connector



Comment: Qty.: 1.0000 Each(s)/Unit Total : 3.0000 Each(s)

Connector

Pick: Packing Kit

Qty Part Number

Description Batch

1 D2067

Connector

39558

88 09/05/21 (x3)

16.0

D20713

Cable



Comment: Qty.: 1.0000 Each(s)/Unit Total : 3.0000 Each(s)

Cable

Pick: Packing Kit

Qty Part Number

Description Batch

1 D2071-3

Cable

45004

88 09/05/21 (x3)

Date: Tuesday, 28/04/2009 8:14:41 AM
User: Linda Lacelle

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: DUAL MIRROR ASSEMBLY

Job Number: 45432

Part Number: D407558047

Job Number:



Seq. #:

Machine Or Operation:

Description :

17.0

AN34A

Bolt



Comment: Qty.: 4.0000 Each(s)/Unit Total : 12.0000 Each(s)

Bolt

Pick: Packing Kit

Qty Part Number Description Batch

4 AN3-4A Bolt

M103041

18.0

AN5261032R9

Screw



Comment: Qty.: 4.0000 Each(s)/Unit Total : 12.0000 Each(s)

Screw

Pick: Packing Kit

Qty Part Number Description Batch

4 AN526-1032R9 Screw

or AN526C1032R9

M10584

19.0

MS27039118

Screw



Comment: Qty.: 2.0000 Each(s)/Unit Total : 6.0000 Each(s)

Screw

batch: 10816121 / M110916x5

20.0

AN960JD10L

Washer



Comment: Qty.: 6.0000 Each(s)/Unit Total : 18.0000 Each(s)

Washer

Pick: Packing Kit

Qty Part Number Description Batch

6 AN960JD10L Washer

M109632

21.0

MS21919DG5

Clamp



Comment: Qty.: 2.0000 Each(s)/Unit Total : 6.0000 Each(s)

Clamp

Pick: Packing Kit

Qty Part Number Description Batch

2 MS21919DG5 Clamp

or MS21919WDG5

M108205

Date: Tuesday, 28/04/2009 8:14:41 AM
User: Linda Lacelle

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: DUAL MIRROR ASSEMBLY

Job Number: 45432

Part Number: D407558047

Job Number:



Seq. #:

Machine Or Operation:

Description :

22.0

MS3548967

Grommet



Comment: Qty.: 1.0000 Each(s)/Unit Total : 3.0000 Each(s)

Grommet

Pick: Packing Kit

Qty Part Number Description Batch

1 MS35489-67 Grommet

M111193

SS 09/05/21 (x3)

23.0

MS21042L3

Nut



Comment: Qty.: 1.0000 Each(s)/Unit Total : 3.0000 Each(s)

Nut

batch:

M110844

SS 09/05/21 (x3)

24.0

QC4

INSPECT 100% KITS FOR COMPLETENESS



Comment: INSPECT 100% KITS FOR COMPLETENESS

SS 09/05/21 (x3)

25.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and pack for shipping as per PPP D407-588-047

Location:

PPP Rev:

Draft

9/5/21

3x

SD

26.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

09/05/22

Job Completion



W 09-05-22

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D206-558 REV. C OR EARLIER
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D206-558 REV. 0

REF: CANADIAN STC SH92-17

REF: FAA STC SH1031NE

IT HAS COME TO DART'S ATTENTION THAT A LONGER CABLE IS REQUIRED WHEN INSTALLING THE DART D206-558-041/-043 SINGLE/DUAL CARGO MIRROR ASSEMBLY ON A BHT 407 AIRCRAFT. THIS IS DUE TO THE MIRROR INSTALLATION BEING MOVED FORWARD TO PICK UP ON EXISTING SET OF SCREW HOLES ON THE BELLY OF THE AIRCRAFT AS SHOWN IN FIGURE 3 OF INSTALLATION INSTRUCTIONS D206-558 REV. C OR EARLIER.

IT IS ACCEPTABLE TO REPLACE THE D2071 CABLE ASSEMBLY WITH D2071-3 CABLE ASSEMBLY. FURTHERMORE, IT MAY BE NECESSARY TO REPLACE THE MS35489-9 GROMMET WITH MS35489-67 GROMMET TO ACCOMODATE A POSSIBLE VARIANCE IN MATERIAL THICKNESS ON A BHT 407 AIRCRAFT AS OPPOSED TO A BHT 206 AIRCRAFT.

CUSTOMERS INSTALLING EXISTING D206-558-041/-043 KIT ON A BHT 407 AIRCRAFT MUST PROCURE THE FOLLOWING KIT FROM DART:






DSI 9436-011 PARTS LIST:

Qty -011	Part Number	Description
X	DSI 9436-011	CABLE CHANGE KIT
1	D2071-3	CABLE ASSEMBLY (REPLACES D2071)
1	MS35489-67	GROMMET (REPLACES MS35489-9)

INSTALL THE D2071-3 CABLE ASSEMBLY AND MS35489-67 GROMMET PER INSTALLATION INSTRUCTIONS D206-558 REV. C OR EARLIER AND MAINTAIN PER ICA-D206-558 REV. 0.

SHC 11
X
EN 11
UNCOM.
SUBJECT
VMT
NO. 45432

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
APPROVED 	
BY:	D. SHEPHERD (DE # 02)
DATE:	08.12.04
CERT. NO.:	SH92-17
ISSUE NO.:	7

A	NEW ISSUE	MB	08.12.04
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN		DRAWING NO. REV. A DSI 9436 SHEET 1 OF 2	
CHECKED		MFG. APPR. N/A	
APPROVED		TITLE SCALE CABLE CHANGE NTS	
DE APPR.		DATE 08.12.04	
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FROM THIS POINT FORWARD, CUSTOMERS SHOULD ORDER D407-558-045/-047 IN LIEU OF D206-558-041/-043 WHEN PROCURING SINGLE/DUAL MIRRORS FOR BHT 407 MODELS. AMEND SECTIONS 4.0 AND 5.0 OF INSTALLATION INSTRUCTIONS D206-558 REV. C OR EARLIER AND 25.3 AND 25.4 OF ICA-D206-558 REV. 0 AS FOLLOWS:

4.0 WEIGHT AND BALANCE (D206-558 REV. C OR EARLIER)

25.3 WEIGHT AND BALANCE (ICA-D206-558 REV. 0)

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D206-558-041	2.4 lb	+5.0 in	+12.0 in-lb	+14.8 in	+35.5 in-lb
Bell 206A/B/L/L1/L3/L4	1.09 Kg	+0.13 m	+0.14 m-Kg	+0.38 m	+0.41 m-Kg
D206-558-043	3.0 lb	0.0 in	0.0 in-lb	+14.8 in	+44.4 in-lb
Bell 206A/B/L/L1/L3/L4	1.36 Kg	0.0 m	0.0 m-Kg	+0.38 m	+0.52 m-Kg
D407-558-045	2.4 lb	+5.0 in	+12.0 in-lb	+14.8 in	+35.5 in-lb
Bell 407	1.09 Kg	+0.13 m	+0.14 m-Kg	+0.38 m	+0.41 m-Kg
D407-558-047	3.0 lb	0.0 in	0.0 in-lb	+14.8 in	+44.4 in-lb
Bell 407	1.36 Kg	0.0 m	0.0 m-Kg	+0.38 m	+0.52 m-Kg


5.0 PARTS LIST (D206-558 REV. C OR EARLIER)

25.4 PARTS LIST (ICA-D206-558 REV. 0)

Qty -041	Qty -043	Qty -045	Qty -047	Part Number	Description
X				D206-558-041	SINGLE CARGO MIRROR ASSEMBLY
	X			D206-558-043	DUAL CARGO MIRROR ASSEMBLY
		X		D407-558-045	SINGLE CARGO MIRROR ASSEMBLY
			X	D407-558-047	DUAL CARGO MIRROR ASSEMBLY
1	2	1	2	D2011-101	MIRROR ASSEMBLY
2	2	2	2	D2052	BRACKET
1	1	1	1	D2053	BRACKET
2	2	2	2	D2054	BUSHING
1	1	1	1	D2055	CLAMP
1	1	1	1	D2056	BELLCRANK ASSEMBLY
1		1		D2057	PLUG
1		1		D2065	ARM
	1		1	D2066	ARM
1	1	1	1	D2067	CONNECTOR
1	1			D2071	CABLE ASSEMBLY
		1	1	D2071-3	CABLE ASSEMBLY
1	2	1	2	D3014-1	* LOCKNUT
1	1	1	1	D3778-1	BRACKET
4	4	4	4	AN3-4A	BOLT
4	4	4	4	AN526-1032R9	SCREW
1	2	1	2	AN960JD416L	* WASHER
4	4	4	4	AN960JD10	WASHER
6	6	6	6	AN960JD10L	WASHER
3	3	3	3	MS21042-3	NUT (or MS21042L3)
2	2	2	2	MS21919DG5	CLAMP
2	2	2	2	MS27039-1-18	SCREW
1	1			MS35489-9	GROMMET
		1	1	MS35489-67	GROMMET

* INCLUDED AS PART OF D2011-101 MIRROR ASSEMBLY

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED
BY: 
D. SHEPHERD (DE # 02)
DATE: 08.12.04
CERT. NO.: SH92-17
ISSUE NO.: 7

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		DSI 9436	SHEET 2 OF 2
APPROVED		TITLE	SCALE
DE APPR.		CABLE CHANGE	NTS
DATE	08.12.04	COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

NO. 15432

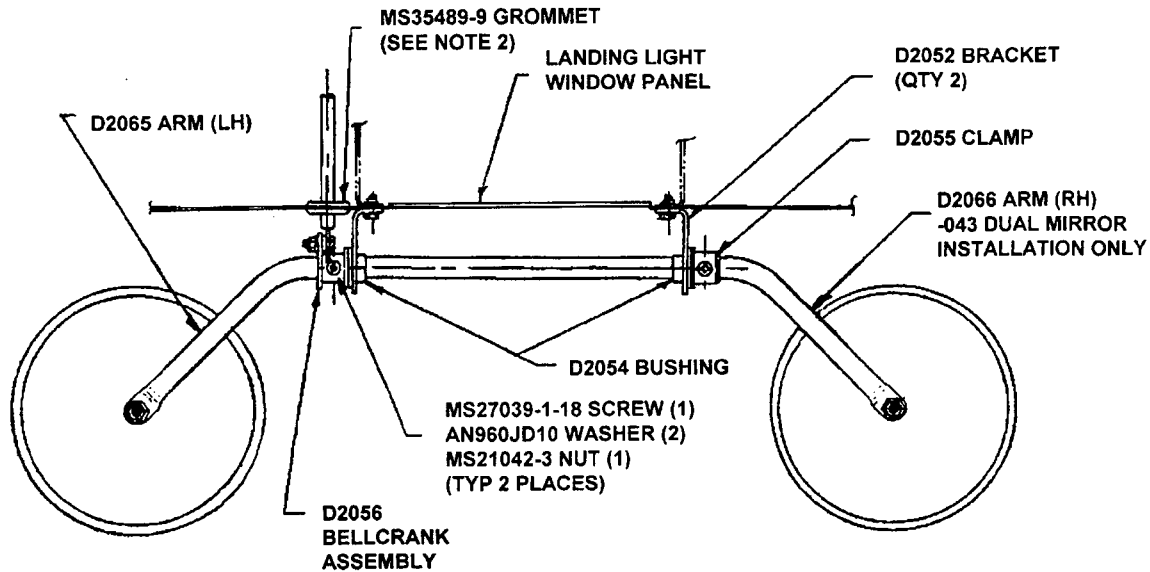


Figure 25.2 – View A: Looking Aft.
(D206-558-043 Mirror Shown)

-047

45432

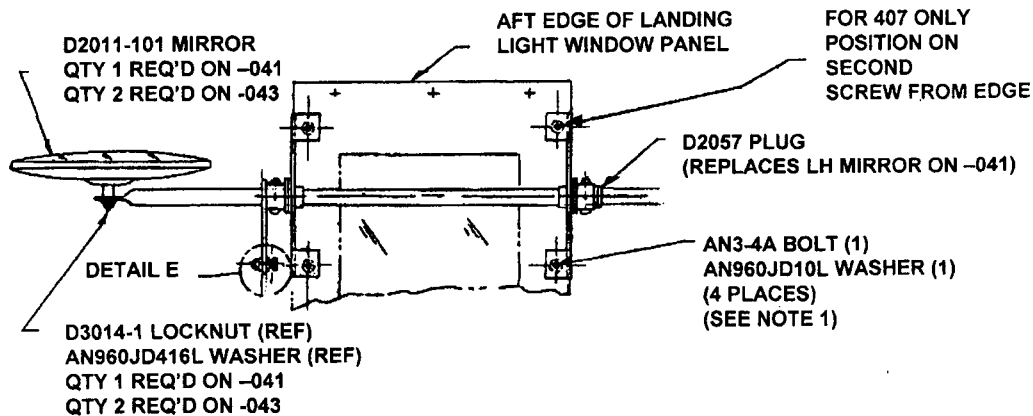


Figure 25.3 – View C: Looking Down on Mirror Installation
(D206-558-041 Mirror Shown)

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25-00-00